

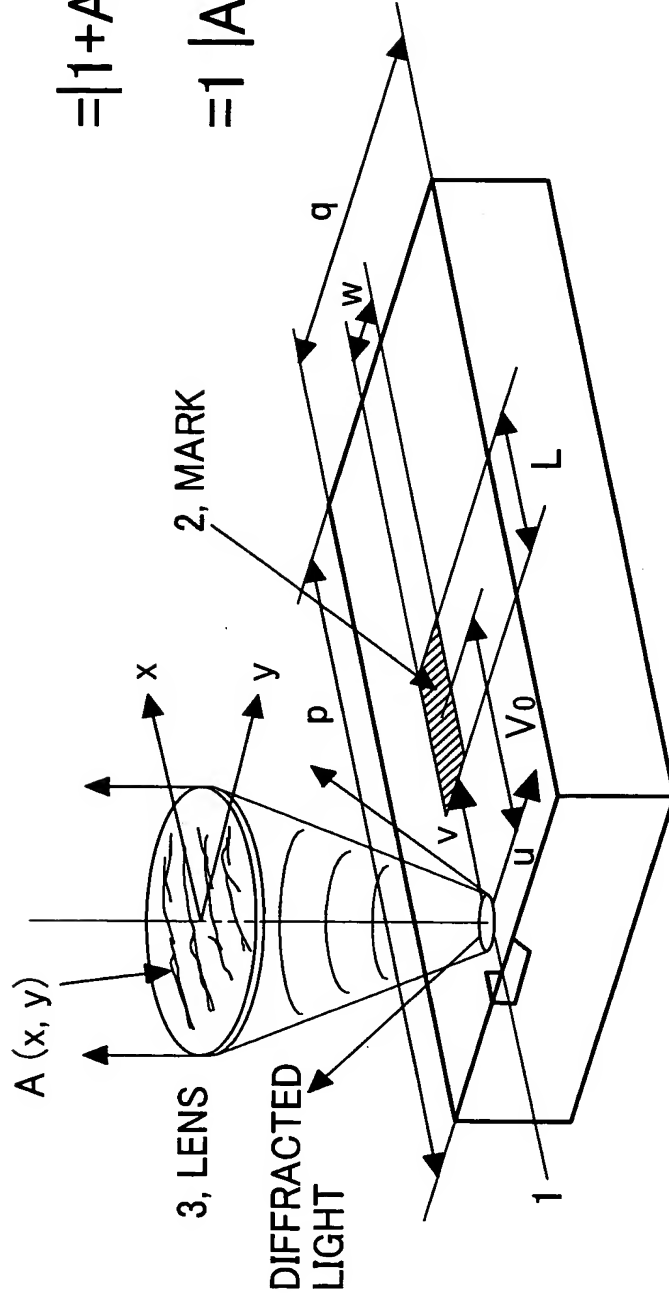
FIG.1

EXPRESSION (1)

SIGNAL $\propto I(x, y)$

$$= |1+A|^2$$

$$= 1 |A|^2 + A + \overline{A}$$



$I(x, y)$: LIGHT INTENSITY ON LENS

$A(x, y)$: COMPLEX AMPLITUDE COMPONENT OF THE DIFFRACTED
LIGHT FROM MARK THROUGH THE LENS

FIG.2

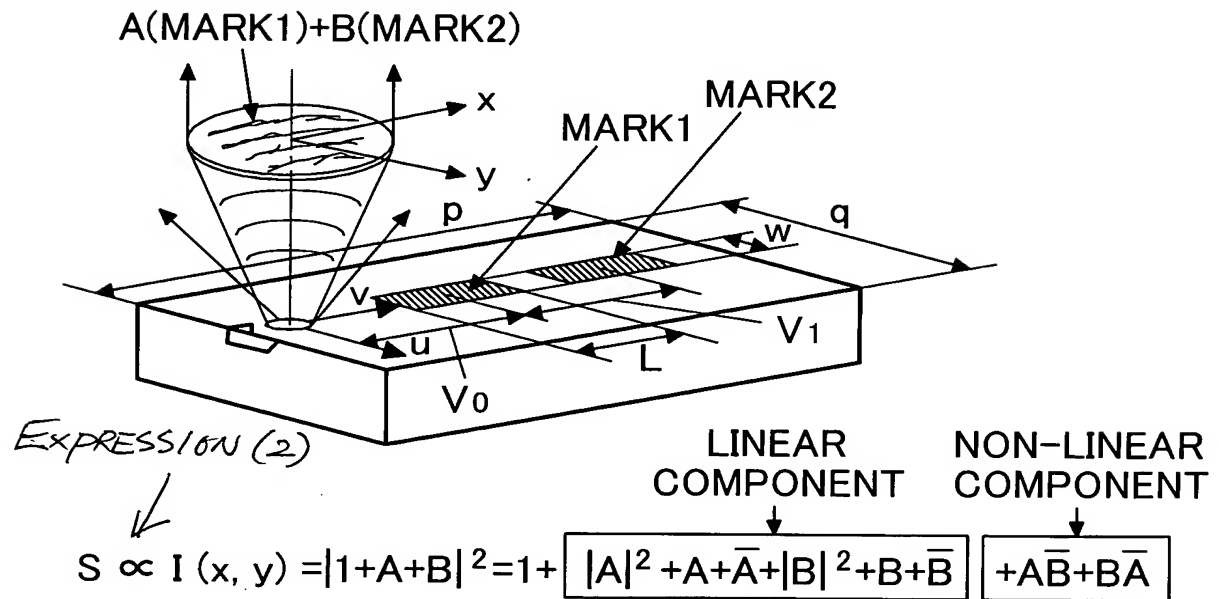


FIG.3

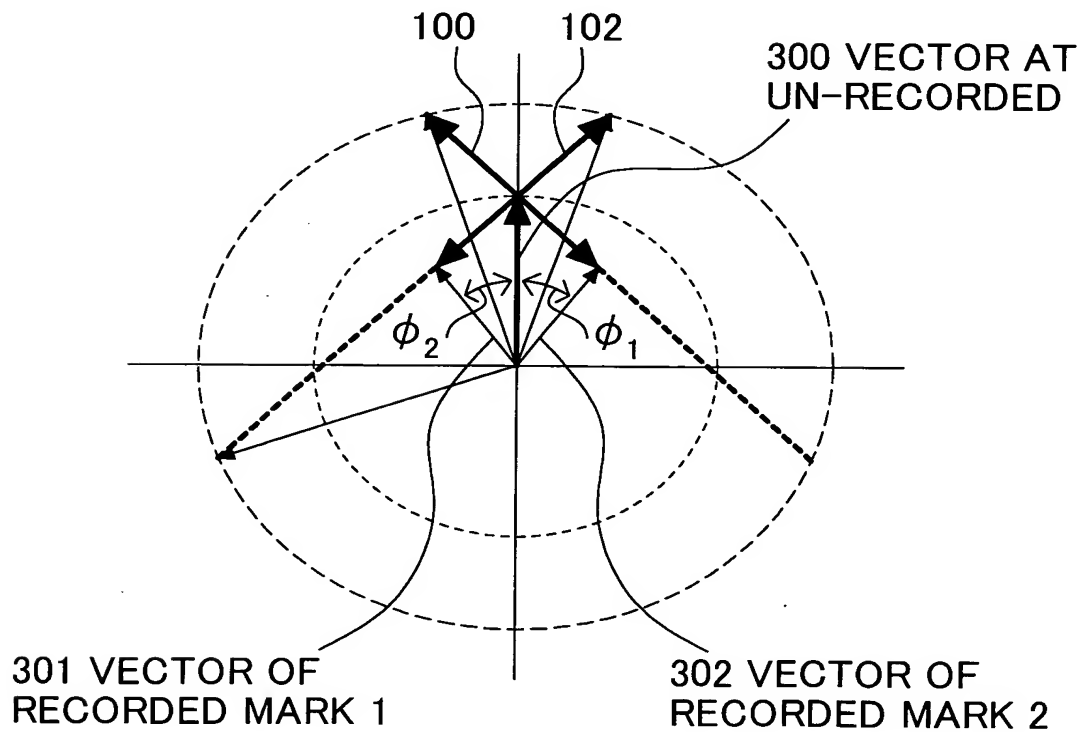


FIG.4

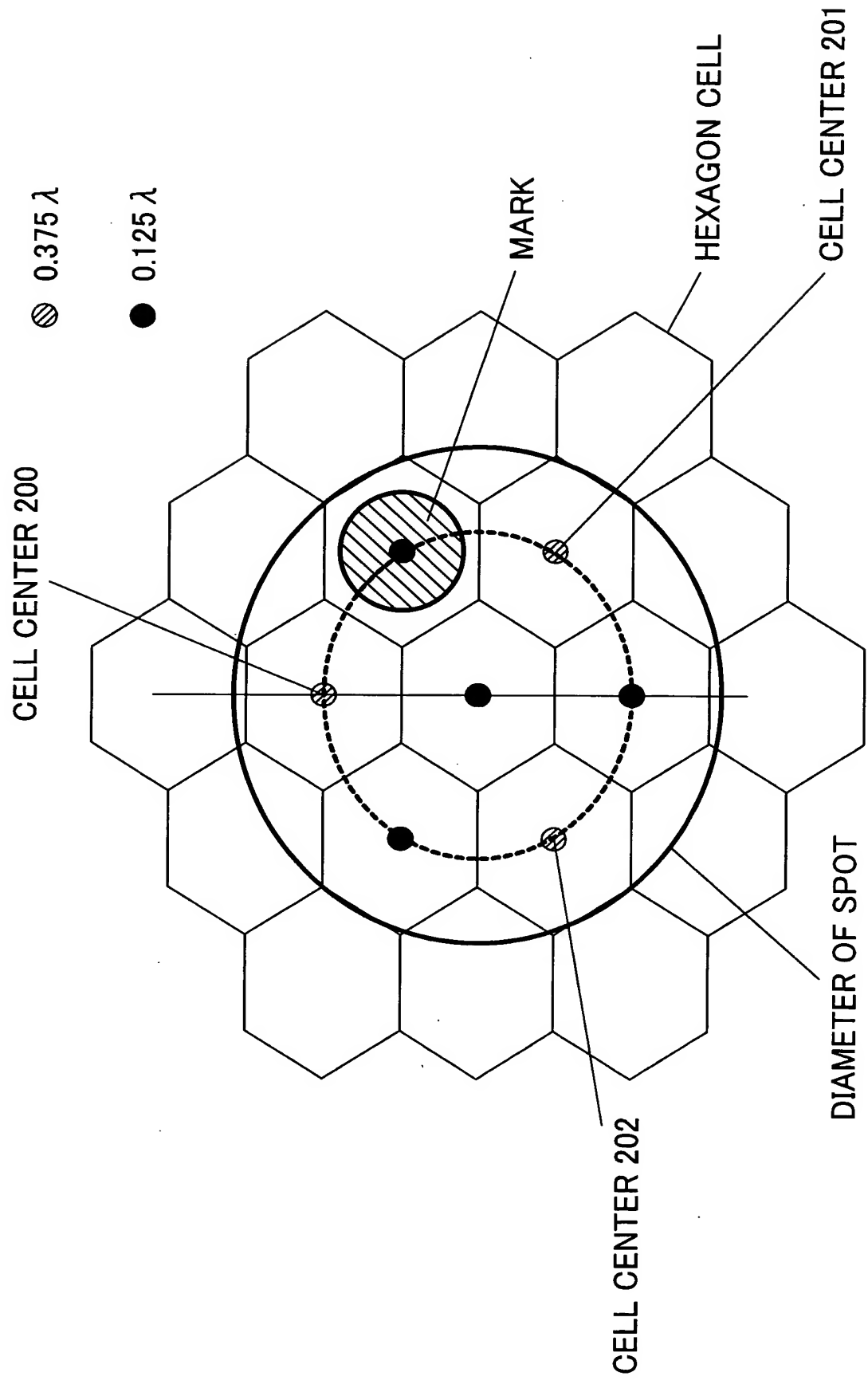


FIG.5

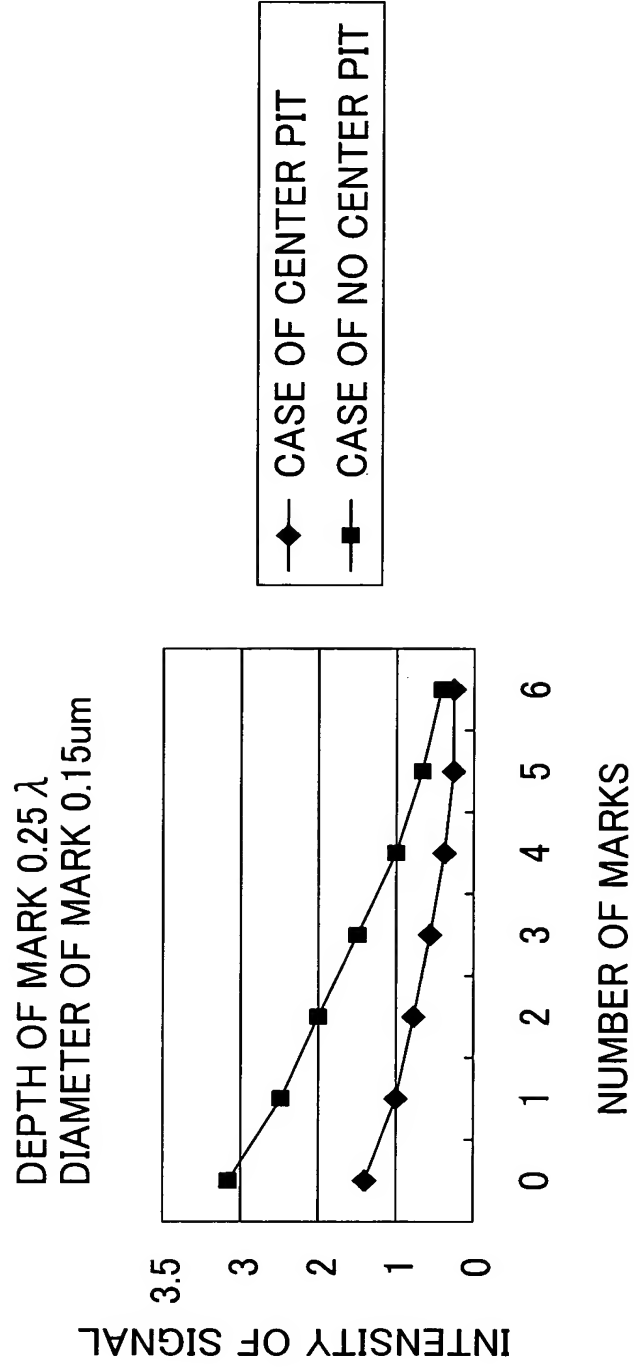


FIG.6

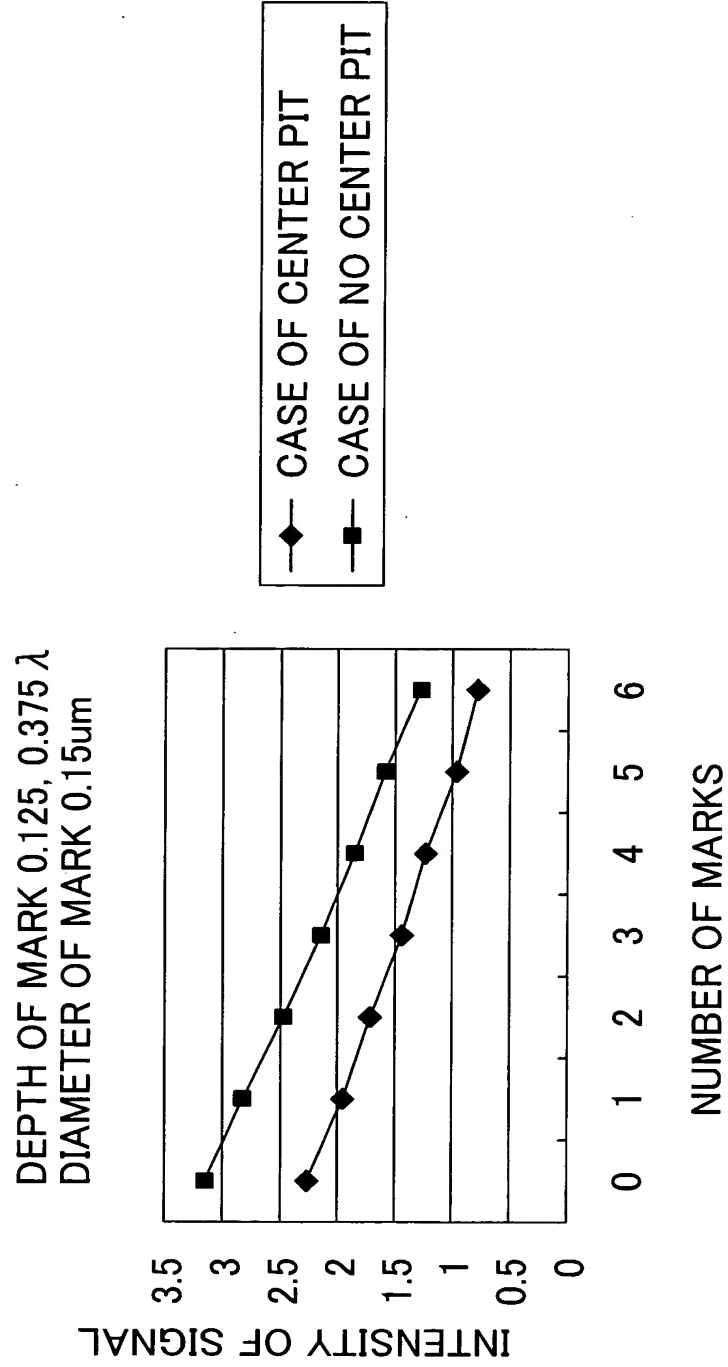


FIG.7

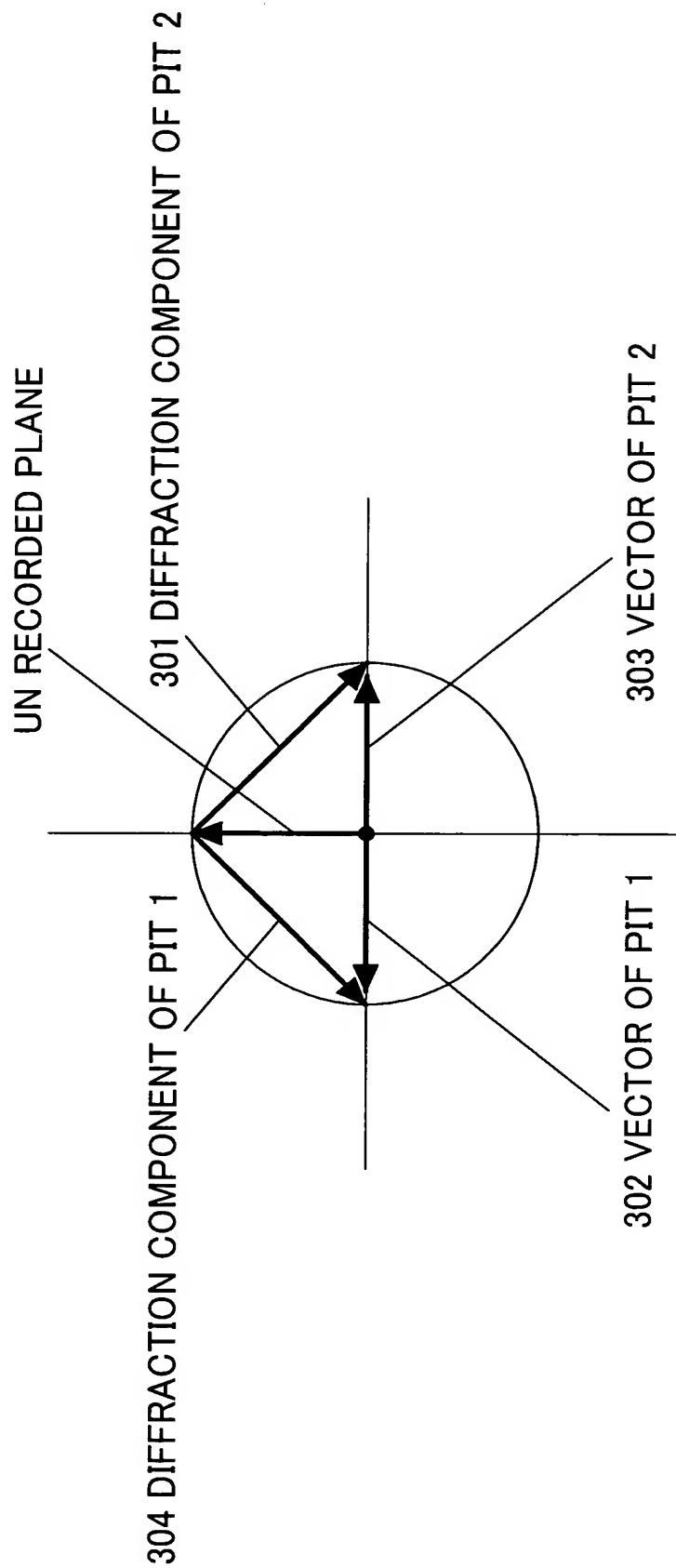


FIG.8

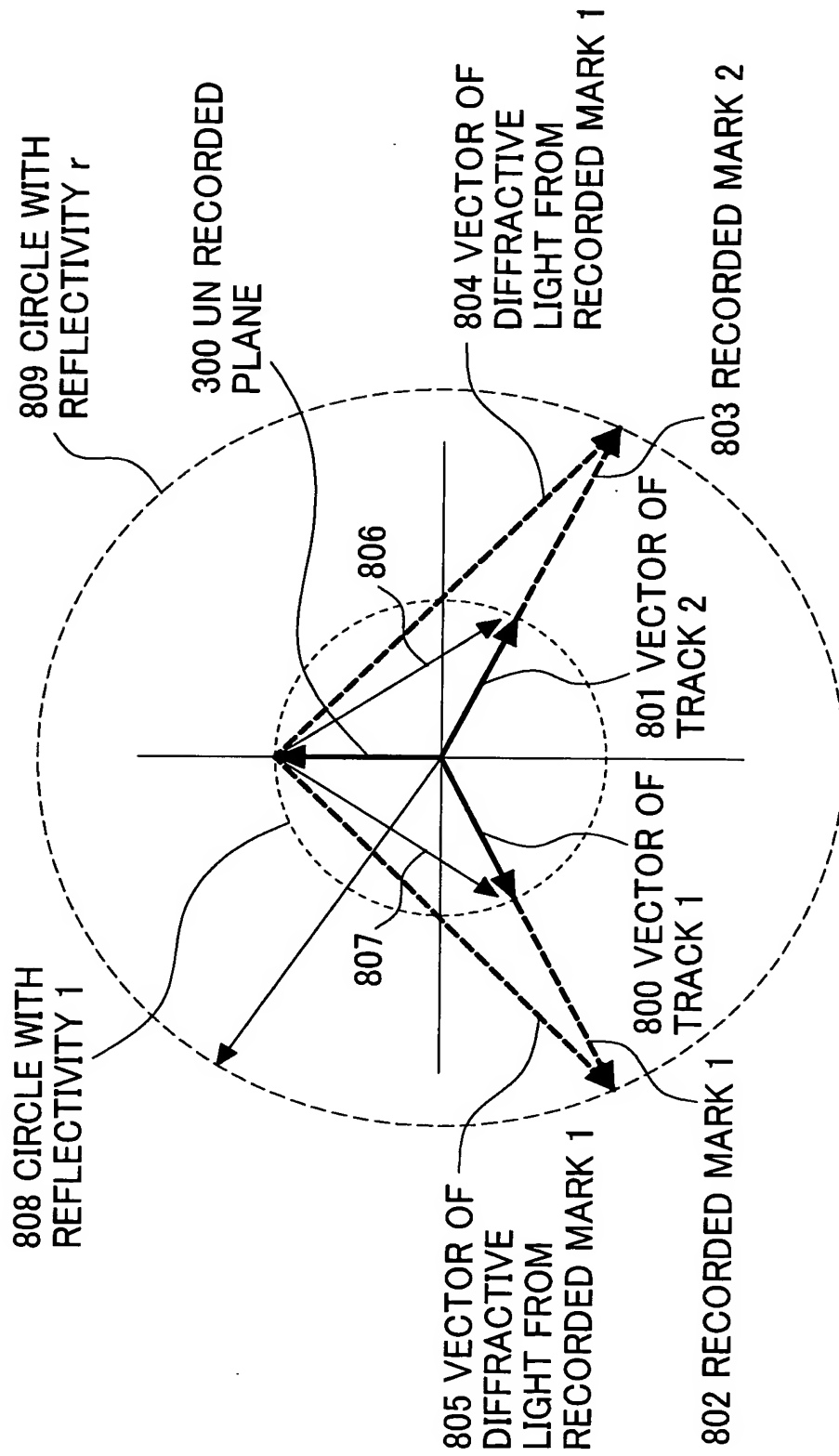


FIG.9

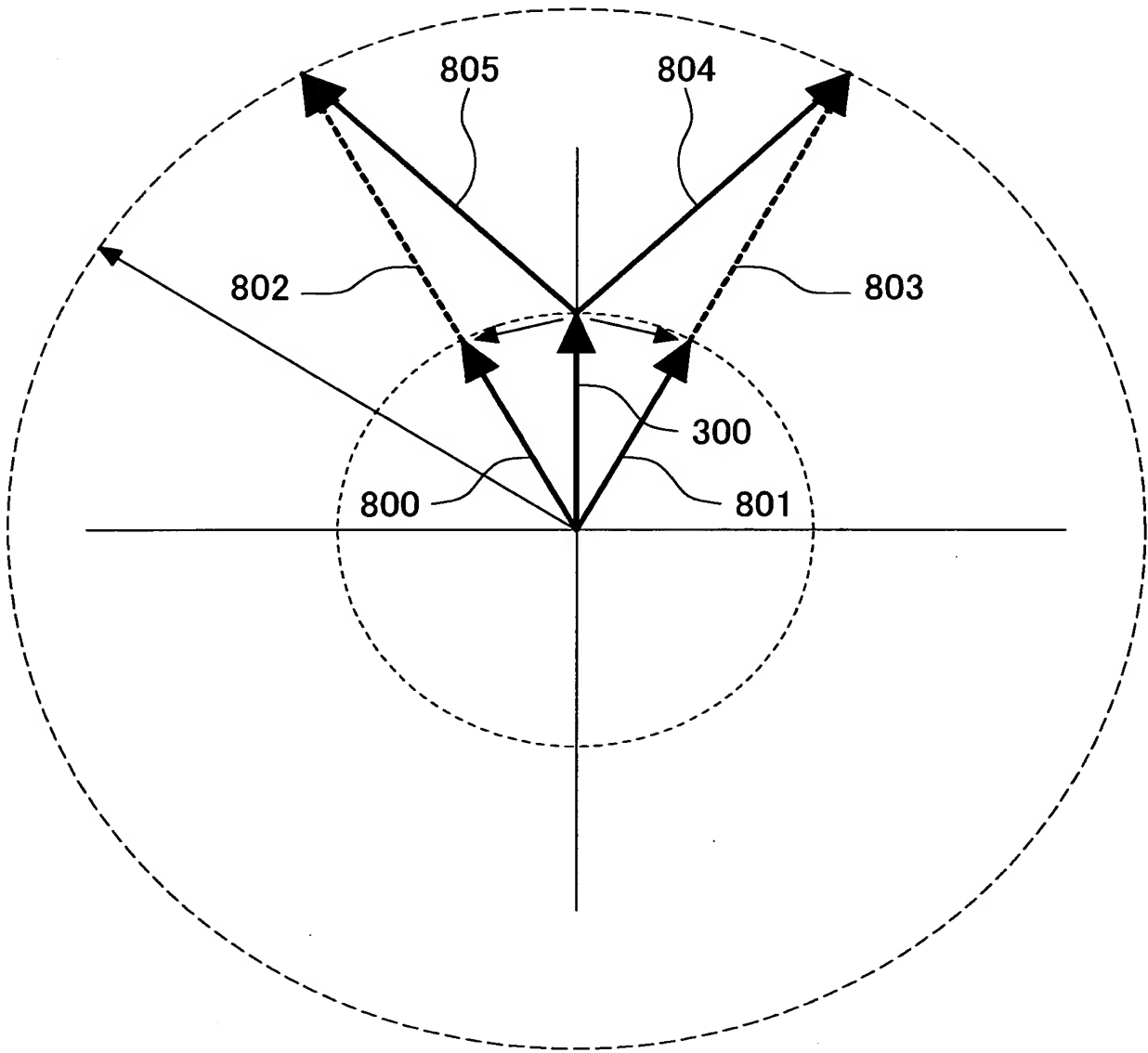


FIG.10

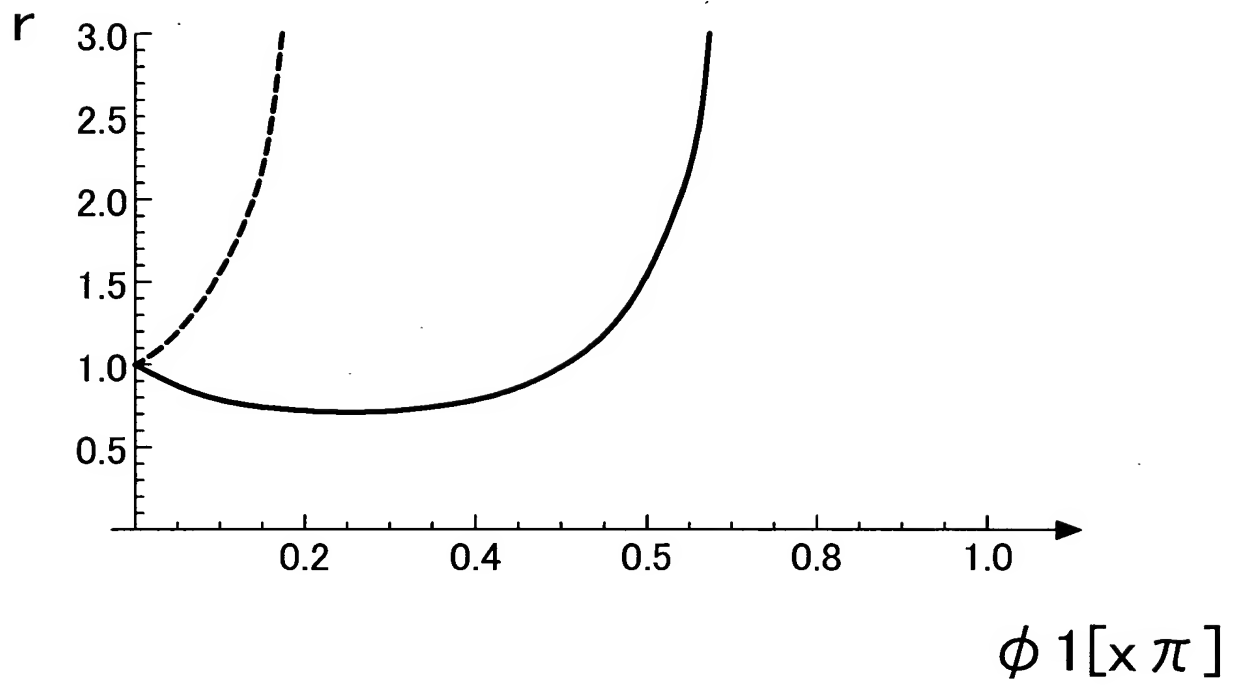


FIG.11A

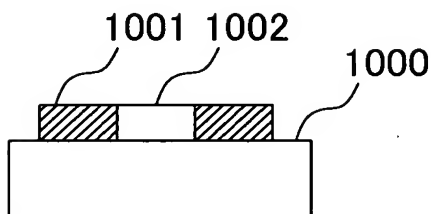


FIG.11B

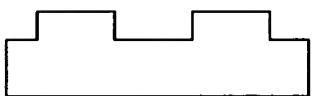


FIG.11C

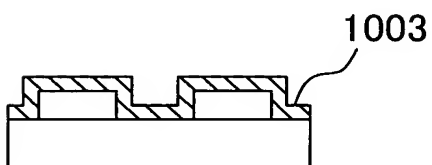


FIG.11D

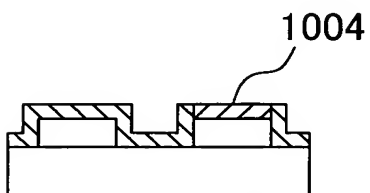


FIG.11E

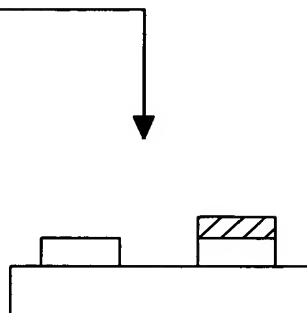


FIG.11F

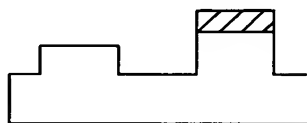


FIG.11G

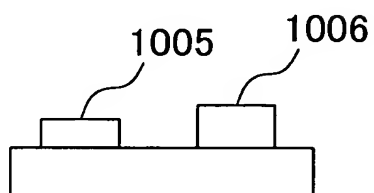
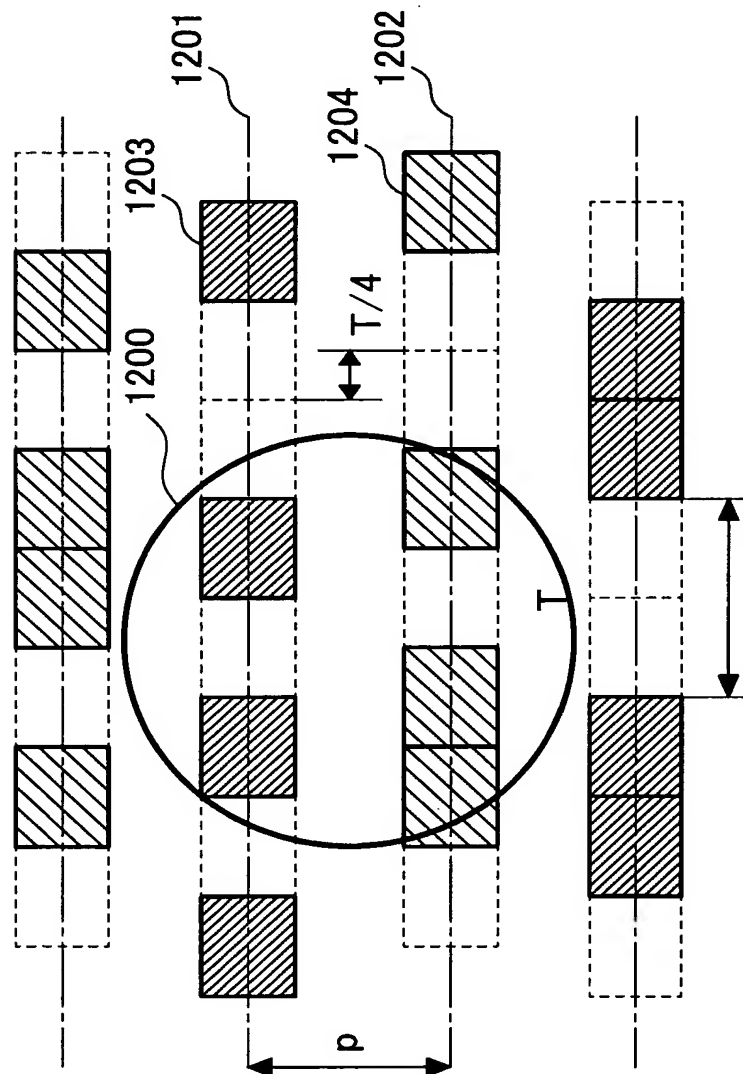


FIG. 12



TRACK BITS	PATTERN
n	0
	1
n+1	0
	1

FIG.13

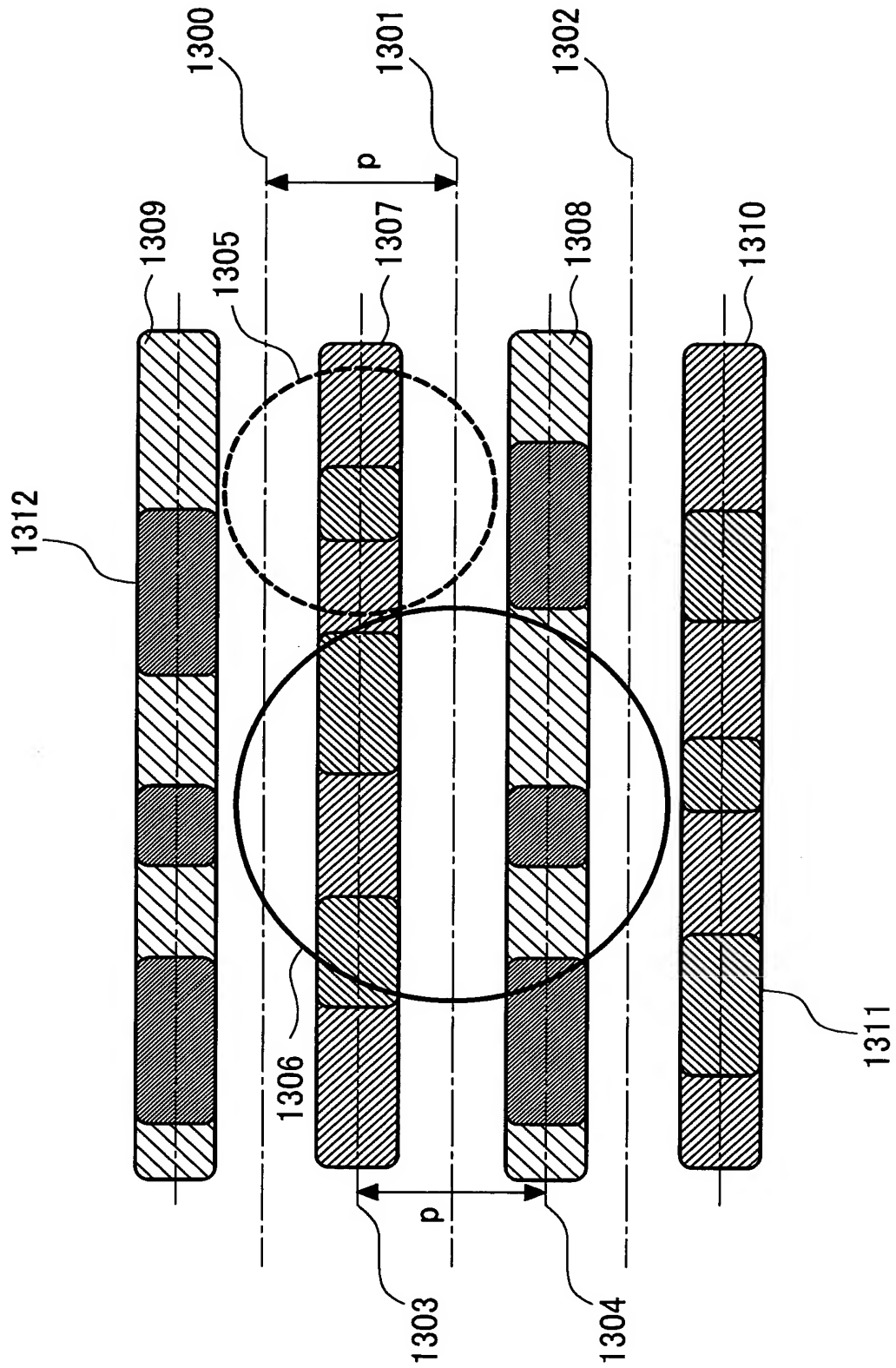


FIG.14

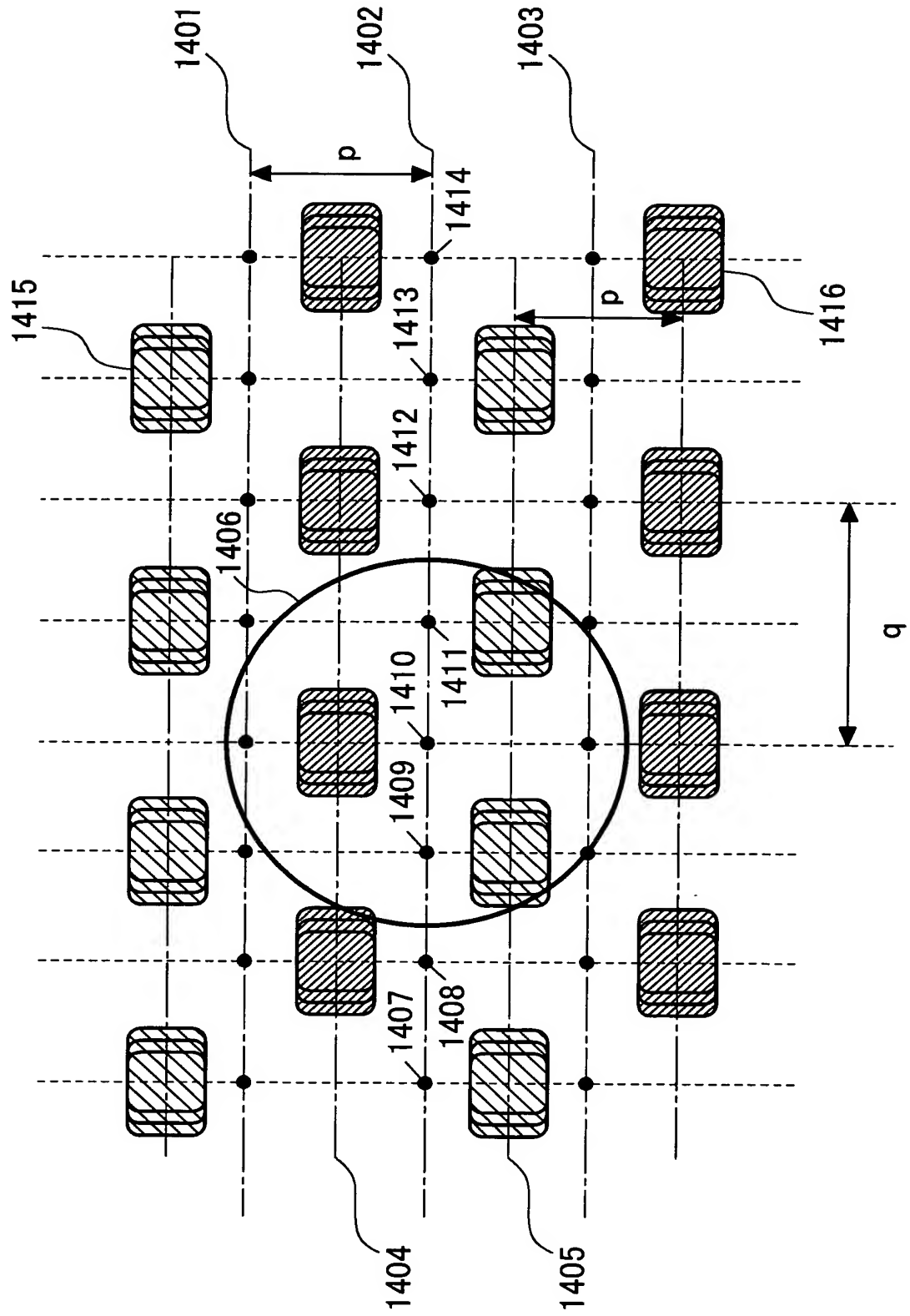


FIG.15

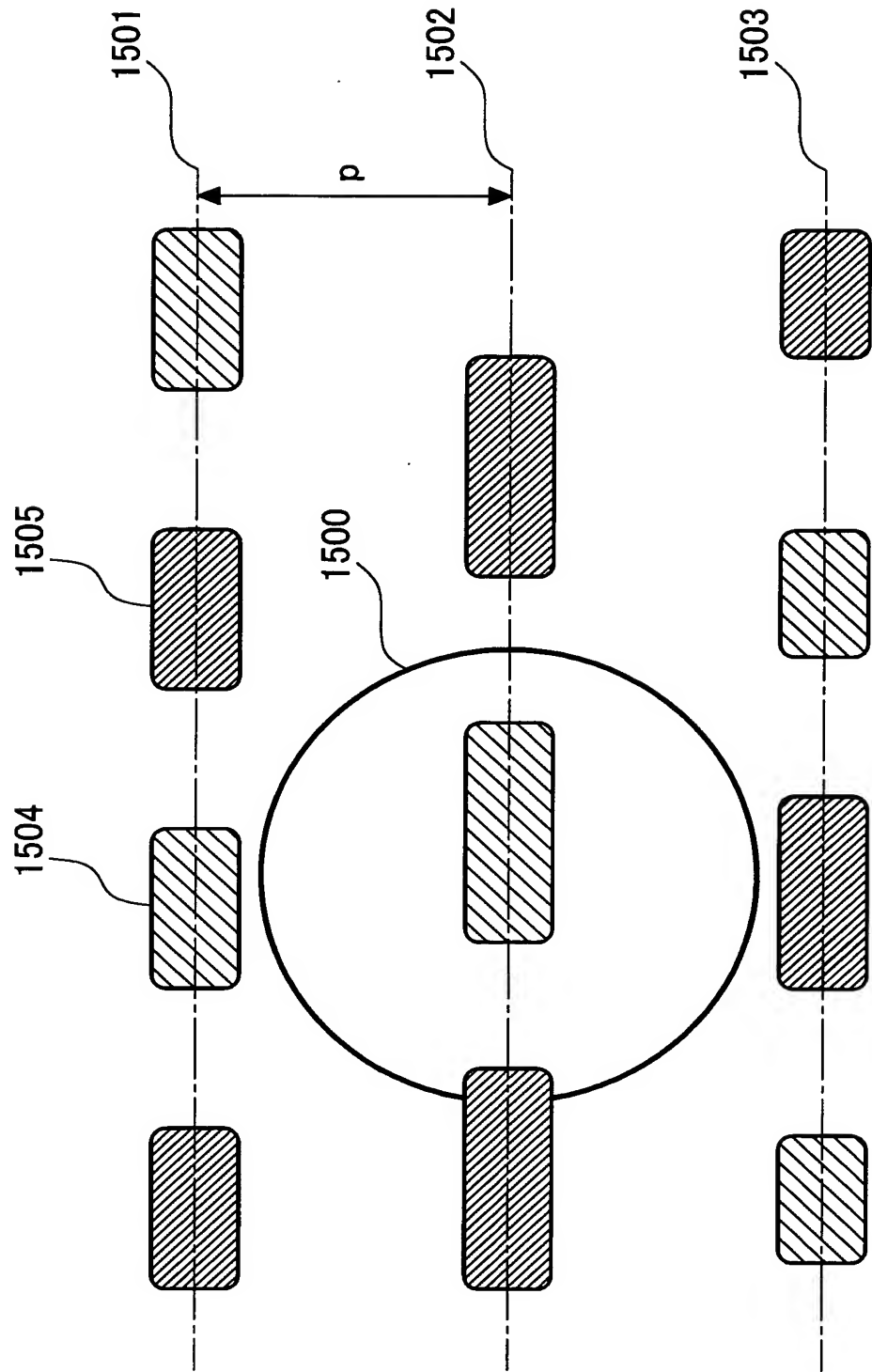


FIG. 16

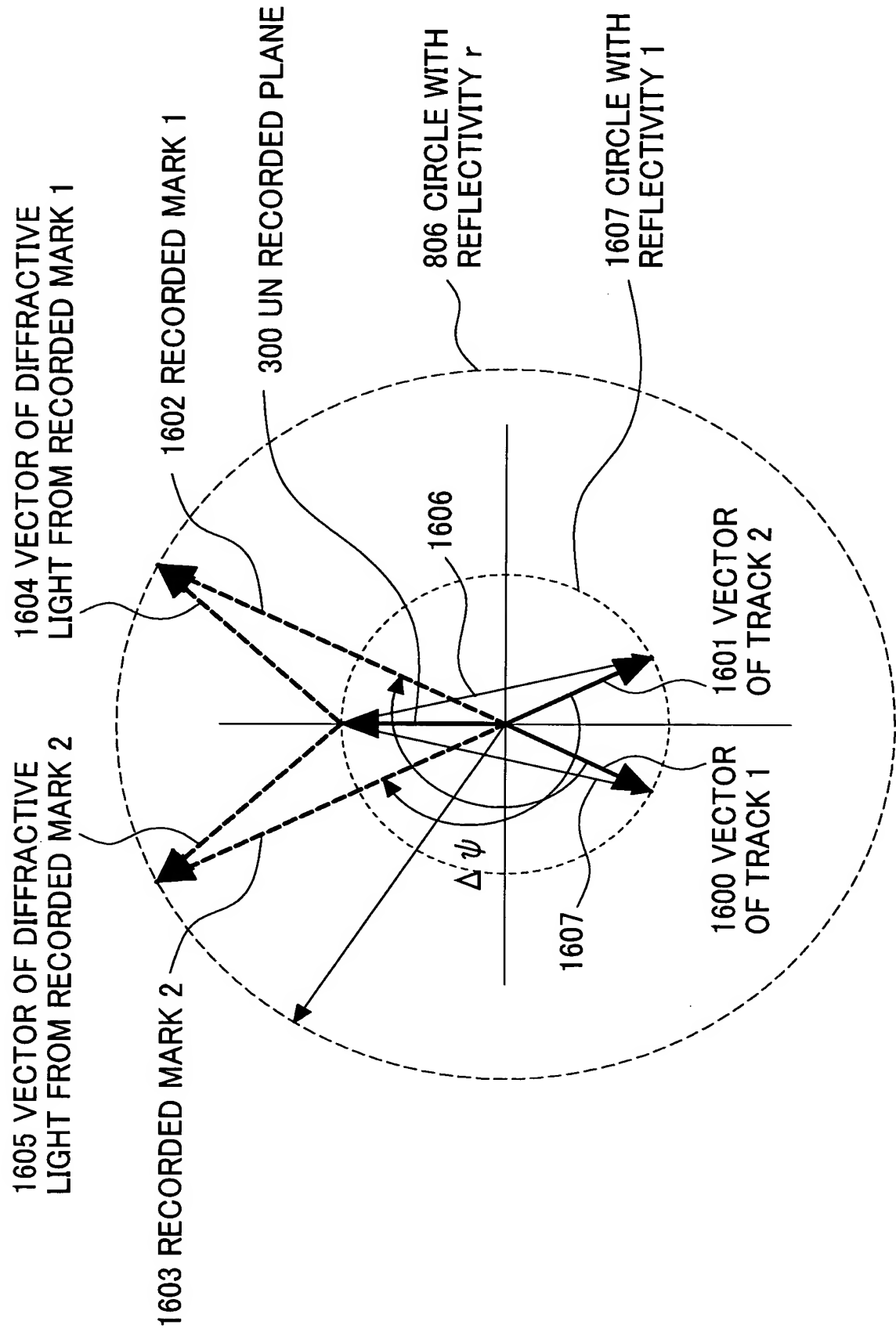


FIG.17

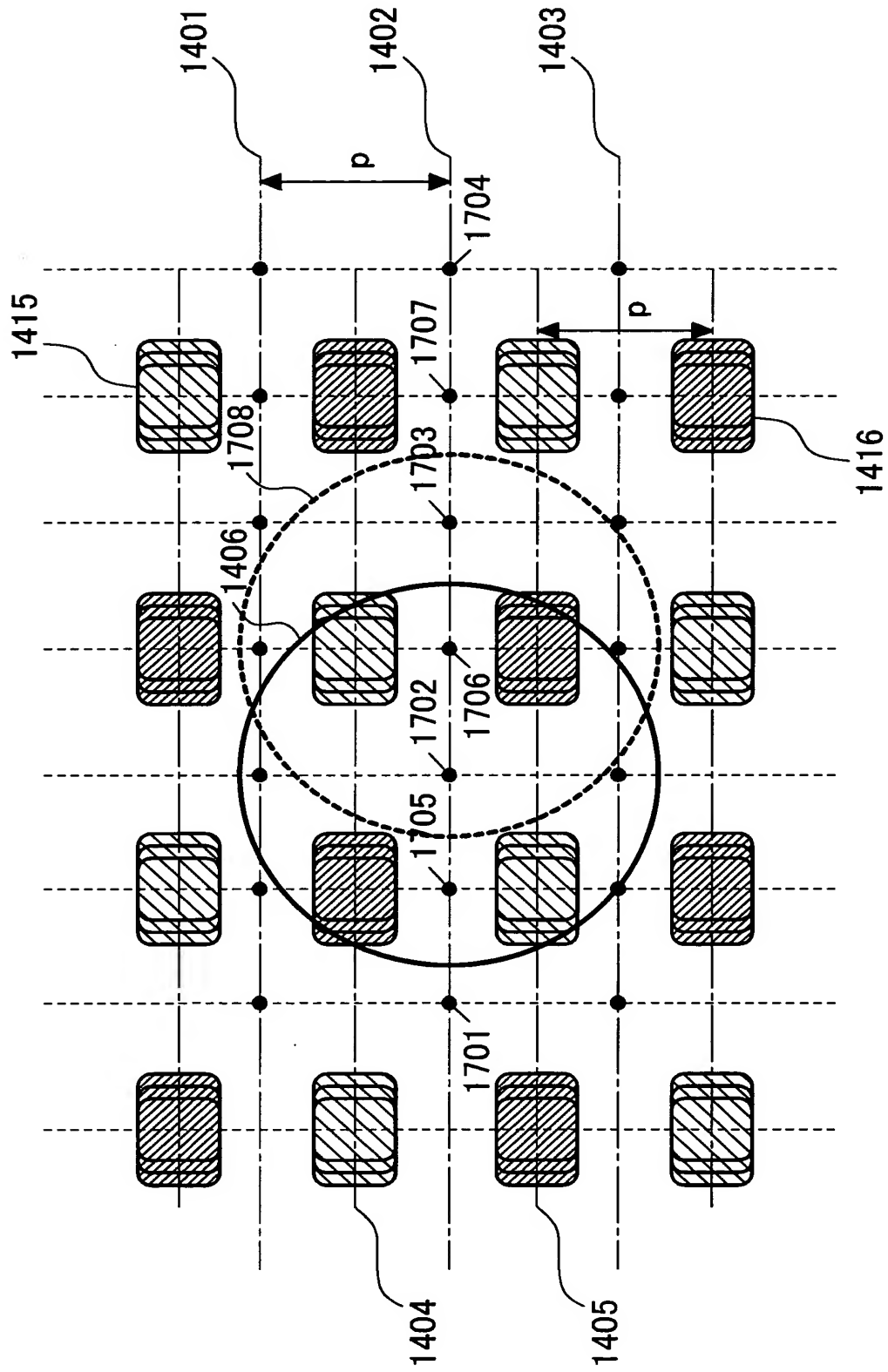


FIG.18A

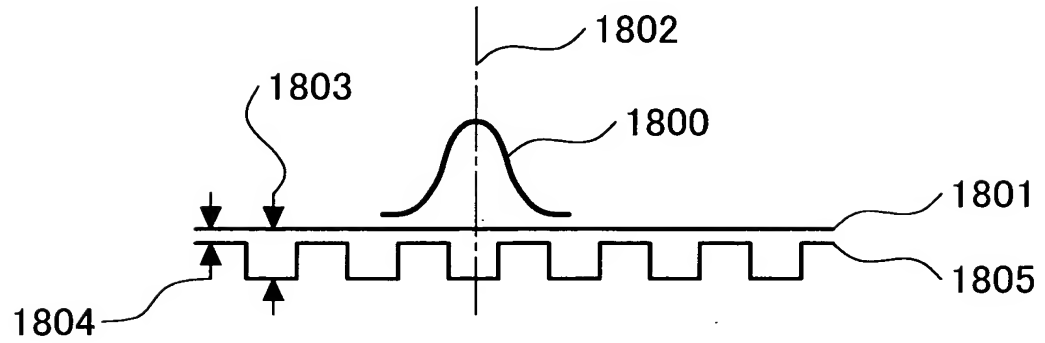


FIG.18B

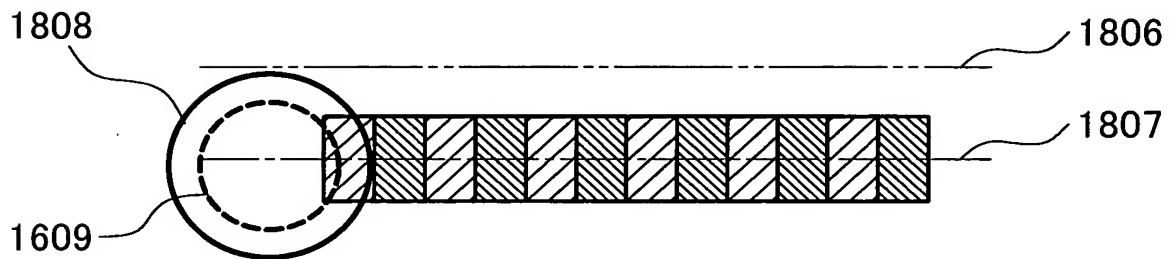


FIG.18C

